

What is claimed is:

1. An intraocular lens system for implantation in the eye to modify the lens system of the eye comprising the cornea and the natural or existing artificial lens in the eye, comprising:

a lens having a high minus portion, adapted to be implanted in the eye to create a lens system that functions as a teledioptic lens system which, when used without an external lens, provides unmagnified and peripherally unrestricted vision and which, when used with an external lens, provides magnified and peripherally restricted vision to correct for macular degeneration.

2. An intraocular lens system as claimed in claim 1, further comprising: at least one fastening member, adapted to secure the lens to an interior portion of the eye.

3. An intraocular lens system as claimed in claim 2, wherein:
the fastening member includes a haptic.

4. An intraocular lens system as claimed in claim 2, wherein:
the fastening member is adapted to secure the lens to the iris of the eye.

5. An intraocular lens system as claimed in claim 4, wherein:
the fastening member is adapted to secure the lens to the iris of the eye, such
that the lens aligns with the pupil of the eye.

6. An intraocular lens system as claimed in claim 4, wherein:
the fastening member is adapted to secure the lens to the iris of the eye, such
that the lens is present in a portion of the iris that has been removed by iridectomy.

7. An intraocular lens system as claimed in claim 2, wherein:

the fastening member is adapted to secure the lens in front of the surface of the natural or existing artificial lens in the eye.

8. An intraocular lens system as claimed in claim 1, wherein:
the lens is adapted to be implanted in the cornea of the eye.

9. An intraocular lens system as claimed in claim 1, wherein:
the lens includes a plus portion surrounded by the high minus portion.

10. An intraocular lens system as claimed in claim 1, wherein:
the lens includes a minus portion surrounding the high minus portion.

11. An intraocular lens system as claimed in claim 1, wherein:
the lens includes a plus portion surrounding the high minus portion.

12. An intraocular lens system as claimed in claim 1, wherein:
the lens includes a toric portion surrounding the high minus portion.

13. An intraocular lens system as claimed in claim 1, wherein:
the lens, when used with the external lens, provides a Galilean telescopic lens system.

14. A method for modifying the lens system of the eye comprising the cornea and the natural or existing artificial lens in the eye, the method comprising:
implanting in the eye a lens having a high minus portion, to create a lens system that functions as a teledioptic lens system which, when used without an external lens, provides unmagnified and peripherally unrestricted vision and which, when used with an external lens, provides magnified and peripherally restricted vision to correct for macular degeneration.

15. A method as claimed in claim 14, further comprising:
using at least one fastening member to secure the lens to an interior portion of
the eye.

16. A method as claimed in claim 15, wherein:
the fastening member includes a haptic.

17. A method as claimed in claim 15, wherein:
the using step uses the fastening member to secure the lens to the iris of the
eye.

18. A method as claimed in claim 17, wherein:
the using step uses the fastening member to secure the lens to the iris of the
eye, such that the lens aligns with the pupil of the eye.

19. A method as claimed in claim 17, wherein:
the using step uses the fastening member to secure the lens to the iris of the
eye, such that the lens is present in a portion of the iris that has been removed by
iridectomy.

20. A method as claimed in claim 15, wherein:
the using step uses the fastening member to secure the lens in front of the
surface of the natural or existing artificial lens in the eye.

21. A method as claimed in claim 14, wherein:
implanting step implants the lens in the cornea of the eye.

22. A method as claimed in claim 14, wherein:
the lens includes a plus portion surrounded by the high minus portion.

23. A method as claimed in claim 14, wherein:
the lens includes a minus portion surrounding the high minus portion.

25. A method as claimed in claim 14, wherein:
the lens includes a plus portion surrounding by the high minus portion.

26. A method as claimed in claim 14, wherein:
the lens includes a toric portion surrounding the high minus portion.

27. A method as claimed in claim 14, wherein:
the lens, when used with the external lens, provides a Galilean telescopic lens
system.